

Fig.2

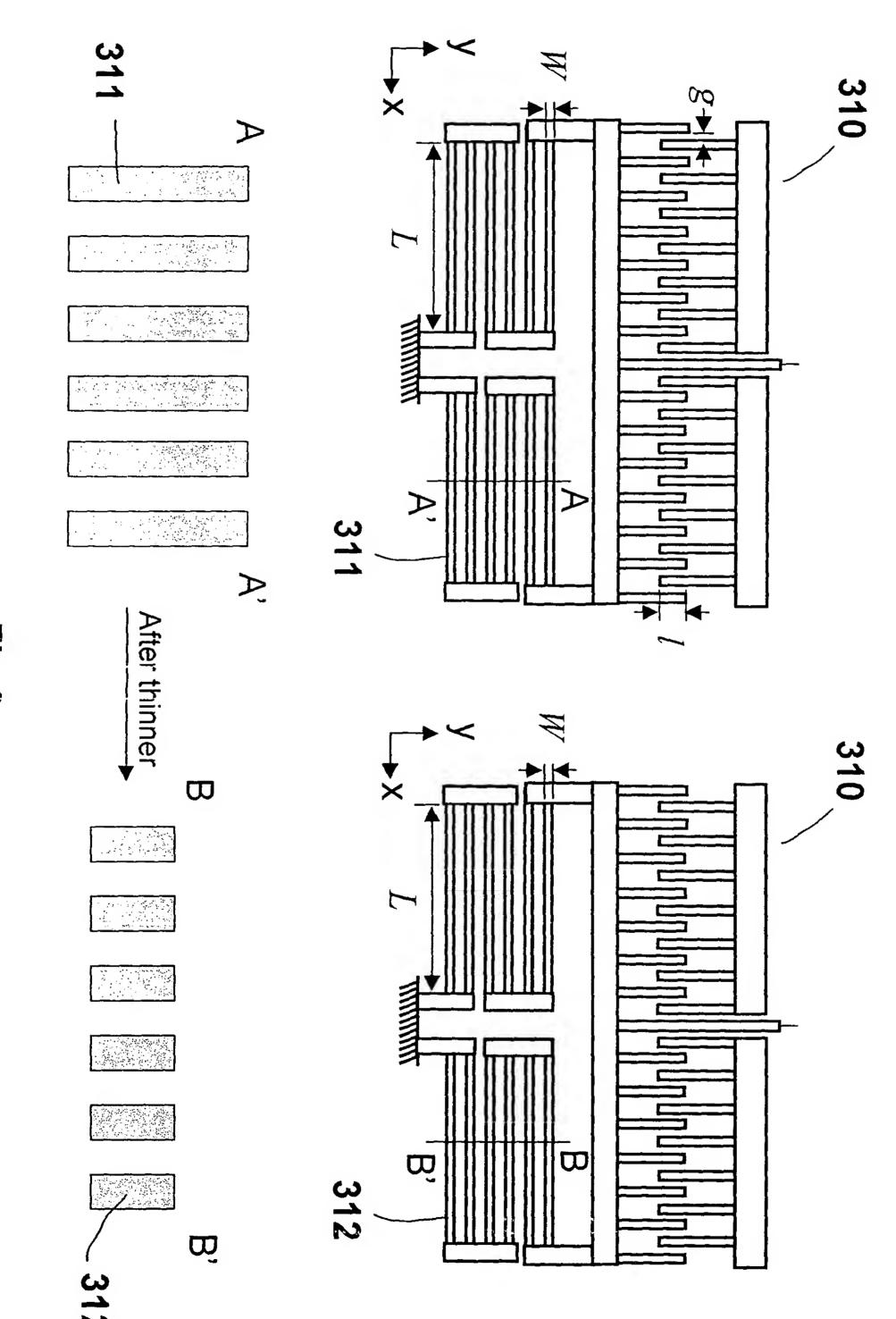
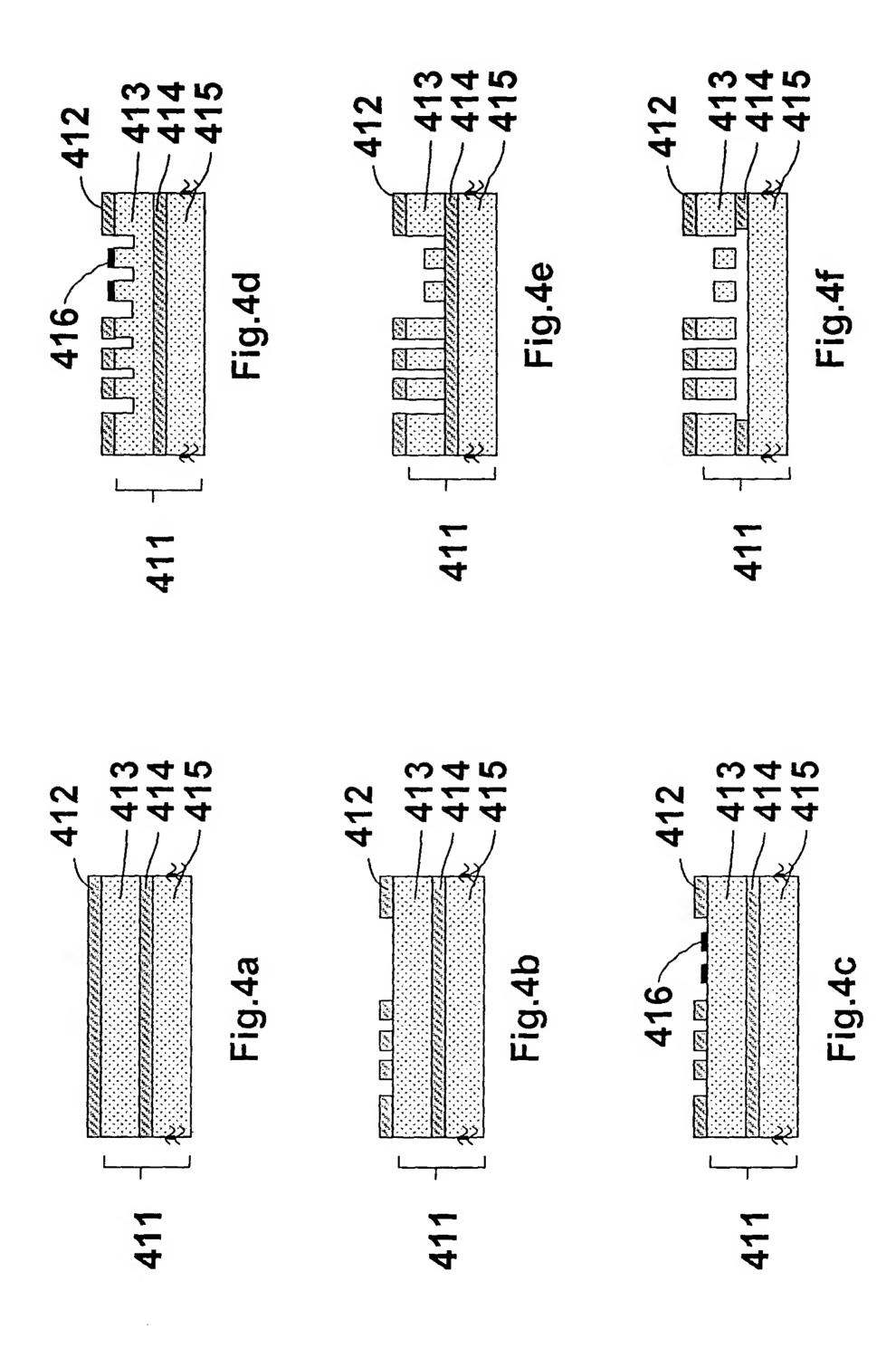


Fig.3



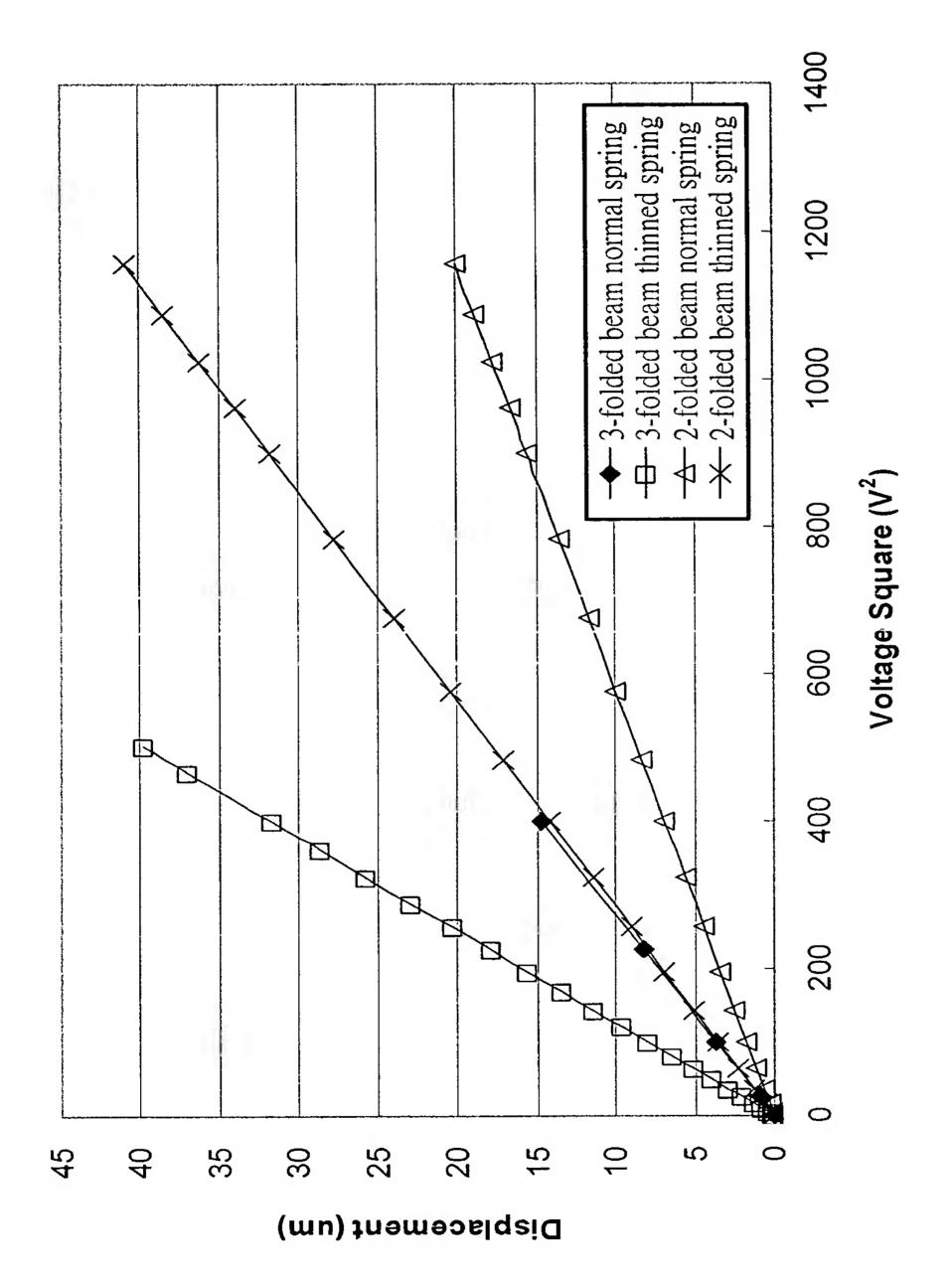
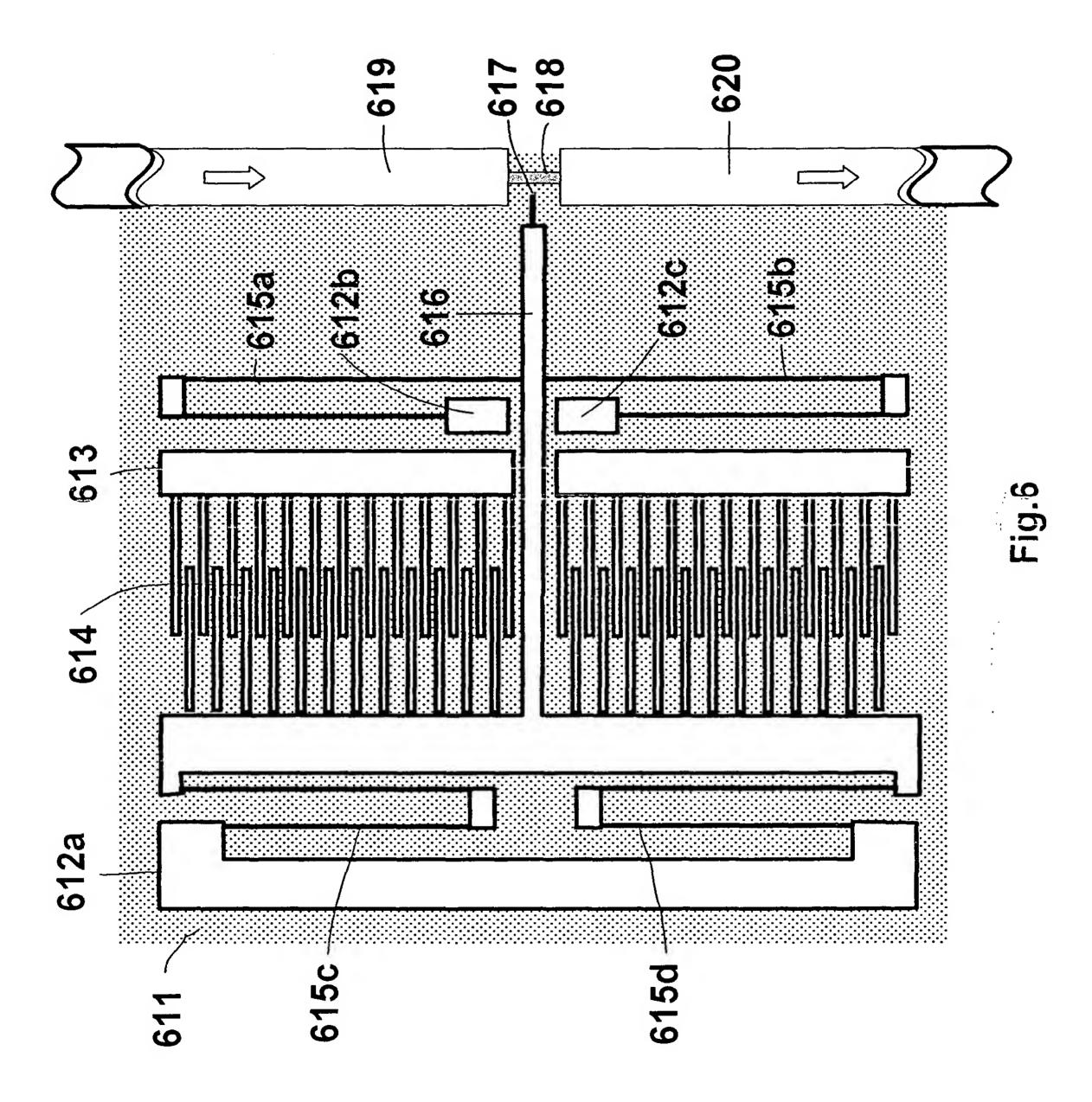
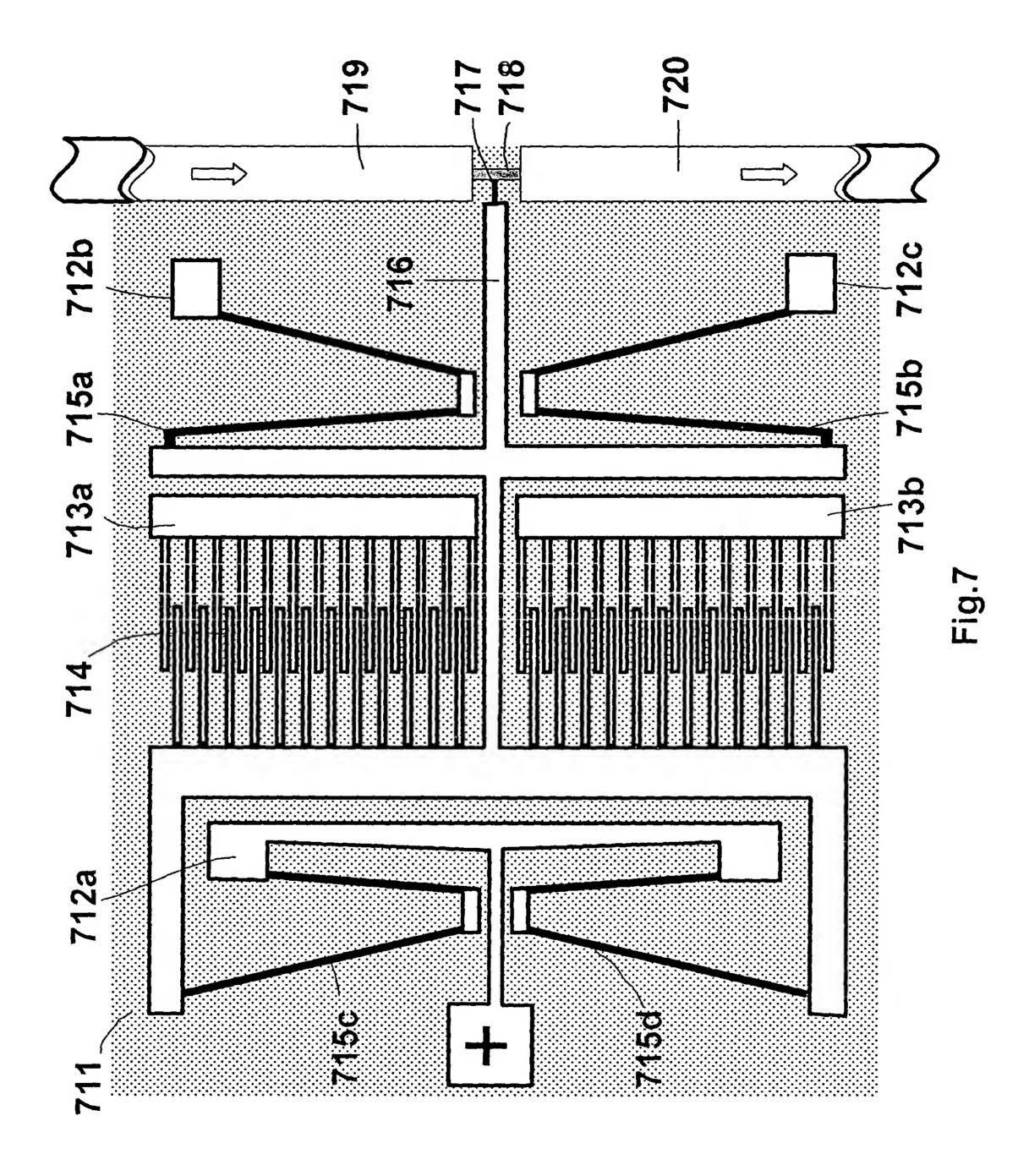
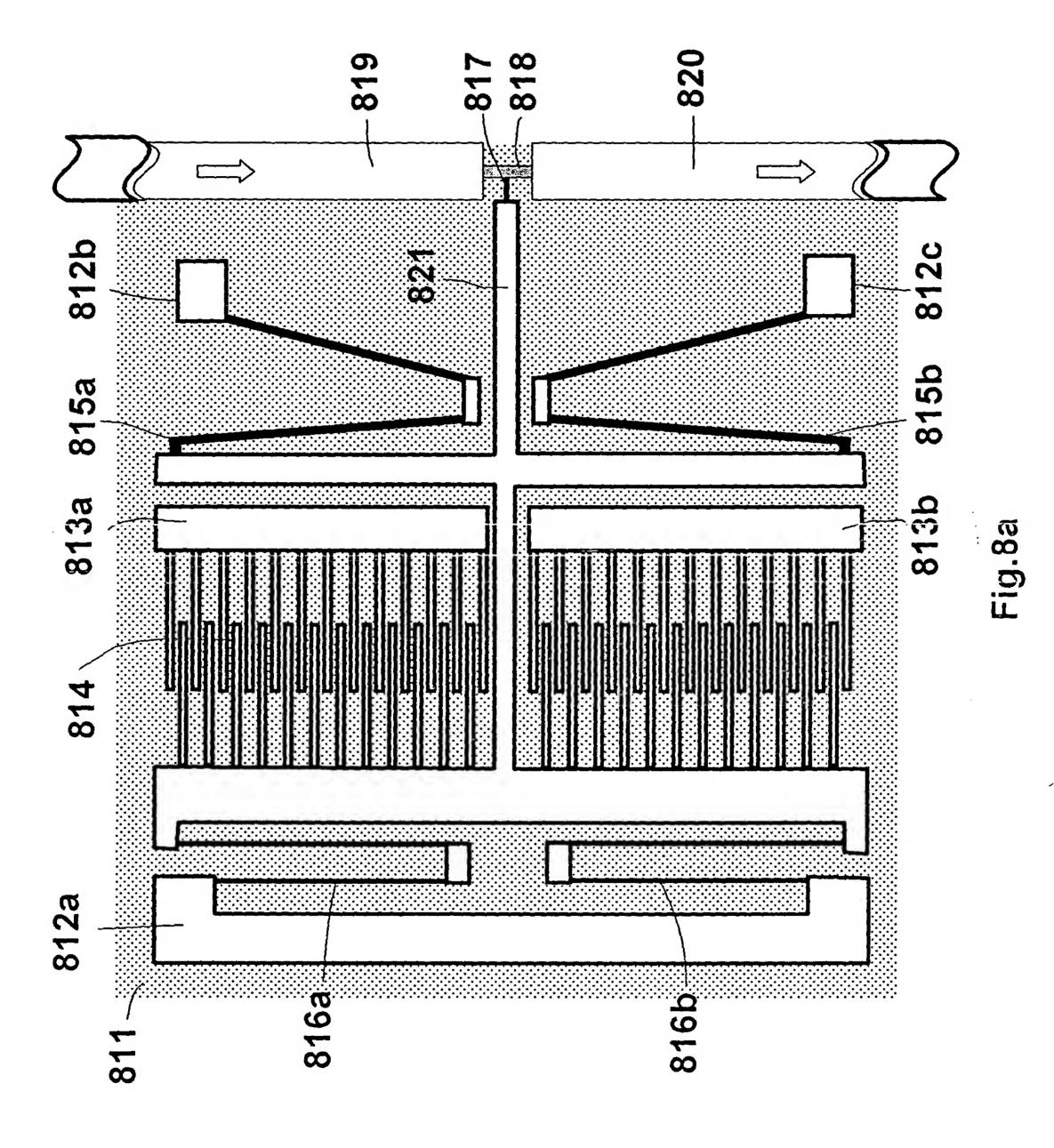
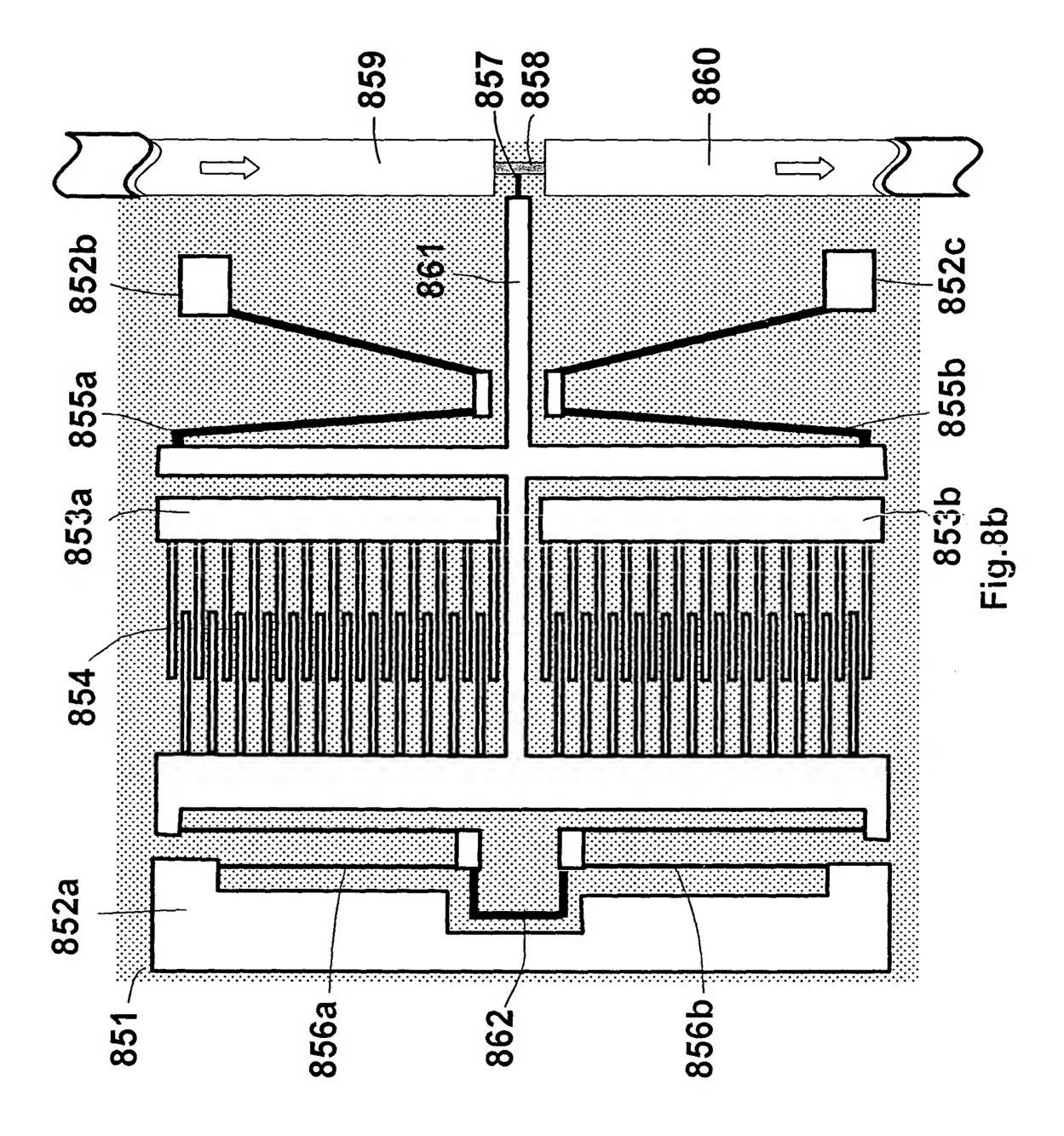


Fig.5









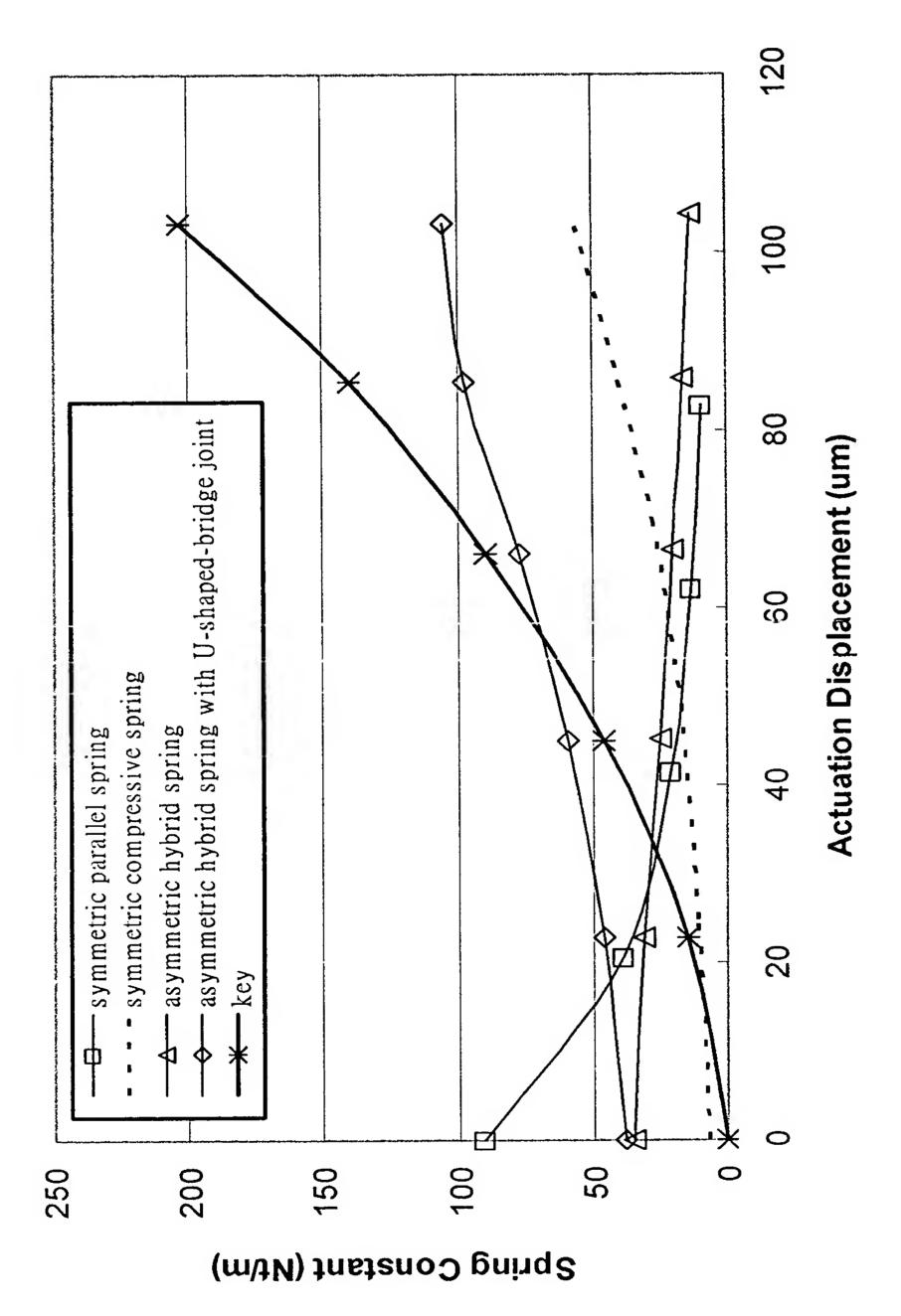


Fig.9

 $F = \frac{\varepsilon \cdot t \cdot H \cdot V^2}{2 \cdot g}$

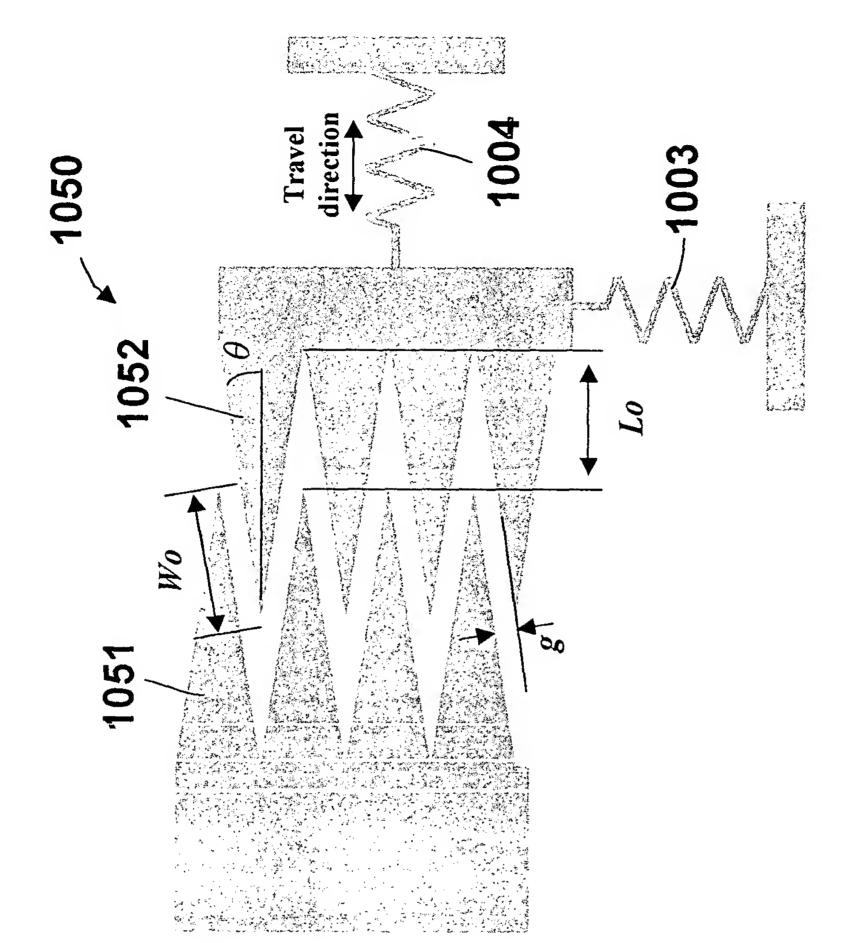
g: gap of finger t: width of comb finger

H: thickness of device

V: voltage

e:dielectric constant

Fig.10a



 $F = \varepsilon \cdot H \cdot V^2 \cdot \frac{(g \cdot \cos(\theta) + Wo \cdot \sin(\theta))}{(g \cdot \cos(\theta) + Wo \cdot \sin(\theta))}$

 $(g - x \cdot \sin(\theta))^2$

g : gap of finger Wo :overlap of comb finger

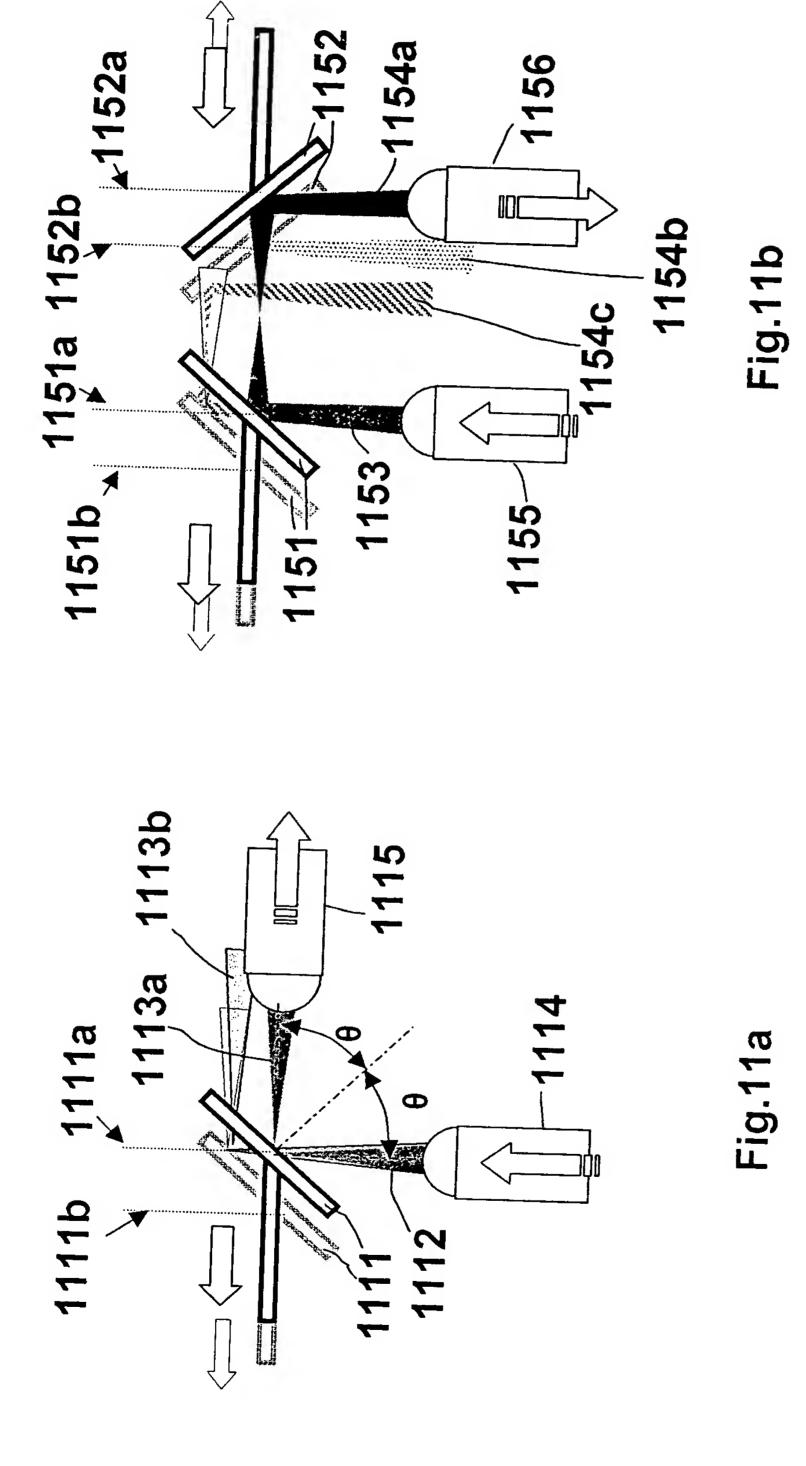
H: thickness of device

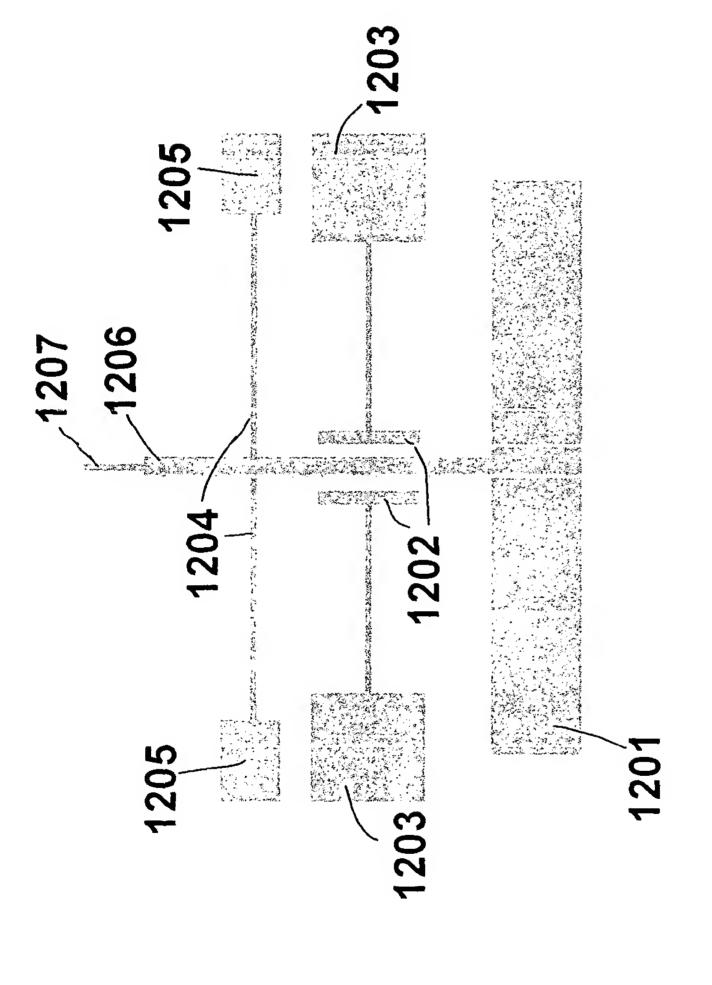
V: voltage

E:dielectric constant

θ : degree of oblique combLo : working distance

Fig. 10b





-ig.12a

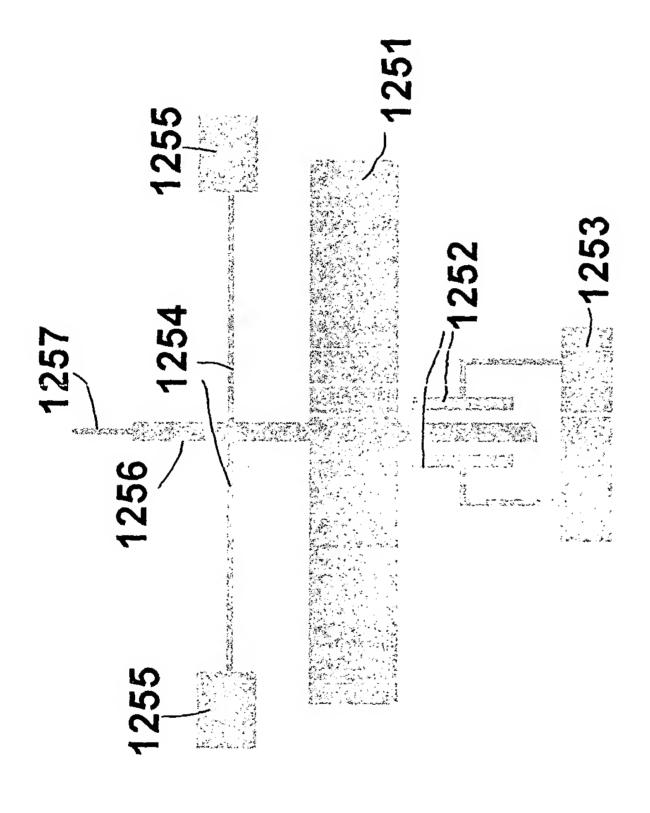


Fig.12b